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(54) METHOD FOR CULTURING MEDICINAL GINSENG CALLUS

(57)Abstract:

PURPOSE: To provide a method for culturing a callus of a medicinal ginseng by which saponin can simply and effectively be produced.

CONSTITUTION: This method for culturing a callus of a medicinal ginseng is to subculture the callus derived from the medicinal ginseng as an originating plant. A primary culture medium suitable for proliferation of the callus and a secondary culture medium capable of promoting the production of saponin are used as the culture medium. A mode of total three passages may be used by subculturing the callus for one more passage. The primary culture medium is a culture medium prepared by adding naphthaleneacetic acid as a plant growth regulator to a basal culture medium and the secondary culture medium is a culture medium obtained by adding gibberellin as a plant growth regulator to the basal culture medium. Thereby, the production amount of the saponin can be increased without complicating the composition of the culture medium.